

Converting Colors

Hex(1645D1)

Have a look what the booklet for
Hex(1645D1) contains.

Hex(1645D1)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

Hex(1645D1)

Conversions

Conversions Part 1

Format	Color
Hex	1645D1
RGB	22, 69, 209
RGB Percent	9%, 27%, 82%
CMY	0.9137, 0.7294, 0.1804
CMYK	0.89, 0.67, 0.00, 0.18
HSL	225°, 81%, 45%
HSV	225°, 89%, 82%
XYZ	13.9676, 9.0303, 61.3284
YIQ	70.9070, -72.9520, 33.5760

Conversions

Conversions Part 2

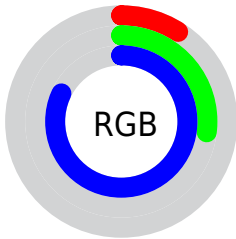
Format	Color
R_{YB}	22, 60, 209
Decimal	1459665
CIE _{Lab}	36.04, 39.53, -75.44
CIE _{LCh}	36, 85.172, 297.656
Yxy	9.0303, 0.1656, 0.1071
Android (android.graphics.Color)	4279649745 (0xFF1645D1)
YUV	70.9070, 68.0798, -42.8914
Hunter-Lab	30.0504, 30.3798, -99.9669

Details

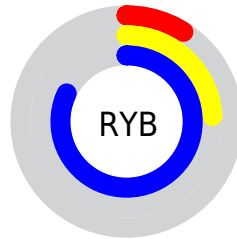
The Hex color **1645D1** is a dark color, and the websafe version is hex **0033CC**. The color can be described as dark washed blue. A complement of this color would be **D1A216**, and the grayscale version is **464646**.

A 20% lighter version of the original color is **6C75FF**, and **001B99** is the 20% darker color. If you saturate the color by 10%, you get **0135D1**, and if you desaturate by 10%, it is **2B55D1**.

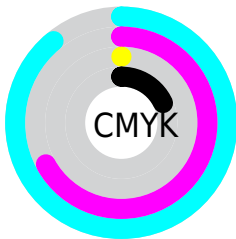
Distribution



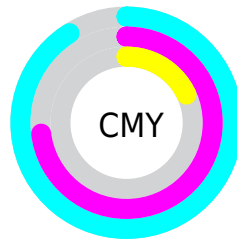
- Red (9%)
- Green (27%)
- Blue (82%)



- Red (9%)
- Yellow (24%)
- Blue (82%)



- Cyan (89%)
- Magenta (67%)
- Yellow (0%)
- Black (18%)



- Cyan (91%)
- Magenta (73%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the Hex color 1645D1 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Hex color 1645D1 by changing the saturation by 10% instead.

■ 1645D1

■ 1645D1

FFFFFF

■ 002FB5

■ 6C75FF

■ 001B99

■ 8C8FFF

■ 00097E

■ ABA9FF

■ 000064

■ CAC4FF

■ 00094B

■ E9E0FF

■ 000434

■ FFFDFF

■ 00021E

■ 000000

■ 1645D1

■ 1645D1

■ 0135D1

■ 2B55D1

■ 0035D1

■ 4064D1

■ 5574D1

■ 6A84D1

■ 7E93D1

■ 93A3D1

■ A8B3D1

■ BDC2D1

■ D2D2D1

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



0061E1



1645D1



9C009F

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



1645D1



9F2B00



006D4D

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



1645D1



D1A216

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



006A00



1645D1



6D5100

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



1645D1



BE001B



236200



006E93

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



1645D1



BA0074



236200



006C35

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



1645D1



BACBFF



16D19F



576180



000000



808080

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



1645D1



0040FF



4216D1



5E6169



002AA8



000A29

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



D11645



FF0040



A5D116



695E61



A8002A



29000A

Previews

White Background



This preview shows how the Hex color 1645D1 looks on a white background.

Color Contrast Check

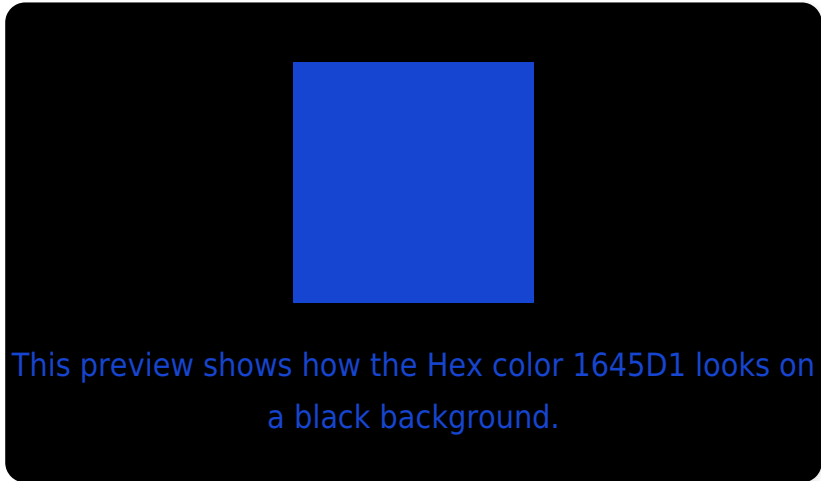
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

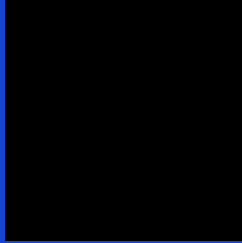
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Hex 1645D1 Background



This preview shows how black text looks on a background with the Hex color 1645D1.



This preview shows how white text looks on a background with the Hex color 1645D1.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color
1645D1

Protanopia
0051AB

Deuteranopia
005792

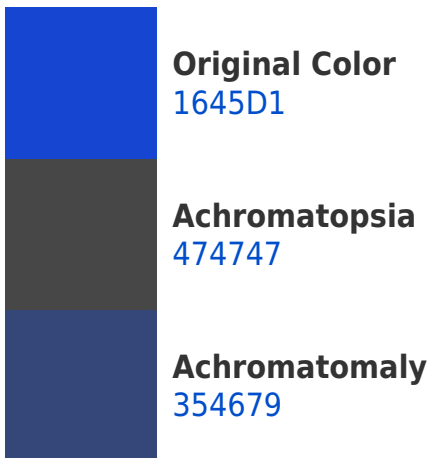


Tritanopia
005E63

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to Hex 1645D1 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color #1645D1 looks like.

```
.text, #text, p{  
    color:#1645D1  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel #1645D1 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #1645D1
}
```

Border

The CSS property to change the border of an element to Hex 1645D1 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#1645D1 }
```

If only the border color should be changed use the property border-color.

```
.border{ border-color:#1645D1 }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel #1645D1 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #1645D1; -webkit-box-shadow:4px 4px  
4px 4px #1645D1; box-shadow:4px 4px 4px  
4px #1645D1 }
```

Background

The CSS property to change the background color of an element to Hex 1645D1 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#1645D1 }
```

If only the background color should be changed can be used:

```
.background{ background-color:#1645D1 }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor